

CLAIMS

What is claimed is:

1. A method for monitoring a location for the occurrence of an event, collecting information relating to the event, prioritizing the information and dispatching an appropriate response based on the prioritized information, the method comprising the steps of:
 - a. placing strategically located sensors having a geographic location identifier in a position adapted for monitoring the location, said sensors further adapted for generating a data signal upon the occurrence of an event;
 - b. providing response personnel and equipment with receivers adapted for receiving selected collected and analyzed data;
 - c. further providing response personnel and equipment with location sensors for generating a location signal identifying their precise geographic location at any point in time;
 - d. collecting and analyzing the data signal in order to determine the time, location and type of event; and
 - e. alerting and dispatching appropriate response personnel and equipment to the location of the event based on their proximity and resources relative to the event.
2. The method of claim 1, wherein said geographic location identifiers are GPS signal generators.
3. The method of claim 1, wherein said location is a moveable asset and the location identifier is adapted for providing the step of tracking the movement of said moveable asset.
4. The method of claim 3, wherein the prioritizing step includes identifying the location of the moveable asset when an event occurs and determining the personnel and equipment in closest proximity to the moveable asset when the event occurs.
5. The method of claim 1, wherein the step of placing strategically located sensors

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6. The method of claim 5, wherein said event detection sensors are event activated.

8. The method of claim 5; wherein said event detection sensors operate on a real time basis for continuous monitoring of the location and wherein there is further included the step of providing an alert signal upon the occurrence of an event.

10. The method of claim 9, wherein the collecting step includes;

11. The method of claim 9, wherein the alerting and dispatching step includes alerting the matched personnel and equipment to respond based on proximity to the event.

13. The method of claim 1, further including the step of collecting feedback data from the personnel and equipment dispatched to an event in order to assure response.

20. The system of claim 19, wherein at least one of the ground based sensors is hard-wired directly to the ground based monitoring station.

22. The system of claim 19, further including:
 collector adapted for collecting the plurality of data signals from the plurality of sensors and generating therefrom a combined signal incorporating each of the plurality of signals into a combined output signal; and
 a processing system for receiving and processing the combined output signal.

24. The system of claim 23, wherein said collector comprises a multiplexer for accepting all of the plurality of data signals and for generating therefrom a combined multiplex signal preserving the discrete identity of each of the plurality of data signals.

26. The system of claim 25, wherein said combined multiplex signal includes the plurality of signals released simultaneously in a compressed, parallel format.

37. The system of claim 19, wherein said transport has an on-board monitoring system

43. The system of claim 19, wherein there is further included ground support equipment and ground support vehicles, and wherein each of said ground support equipment and ground vehicles includes location sensors for generating and sending ground support location signals, whereby the position of the commercial transport and relative to the ground support equipment and ground support vehicles may be monitored.

45. The system of claim 44, wherein said commercial transport is adapted for directly receiving the ground support location sensor signals.

47. The system of claim 19, wherein said commercial transport includes a unique identifier which is adapted to be sensed by the ground based sensor, whereby the ground based sensor can generate an identification signal for alerting that the commercial transport is within range of the ground based sensor.

49. The system of claim 19, wherein said ground based sensor includes a time stamp for monitoring when said transport is within range.

51. The system of claim 50, wherein said sensor is adapted for generating an alarm whenever specific conditions are present.

52. The system of claim 51, wherein said ground based monitoring station further includes a transmitter for transmitting instructional information to the sensor upon presence of a specific condition.

53. The system of claim 19, wherein there is further provided support systems in port for supporting the commercial transport and wherein said support systems further include at least one support system sensor adapted for transmitting a signal to the ground based monitoring station, whereby conditions of the commercial transport and the support system may be simultaneously monitored.

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62. The system of claim 61, wherein said personnel based system includes means providing for communication directly between the transport and the personnel.

63. The system of claim 62, wherein said personnel based system includes means providing for communication directly between personnel.